

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A travel direction device in which a direction about a traveling route is set, comprising:

a memory for storing and reading out traveling
direction data relative to the traveling route having been
traveled in the past; ~~is read out from a memory means and~~
means for obtaining frequency of the traveling
direction; ~~and is obtained,~~

means for determining when a notification of the
direction is to be given, said means for determining operative
to give the notification of the direction less frequently than
a number of times a car has driven the traveling route if the
car has driven the traveling route a plurality of times.

2. (Currently Amended) A travel direction device according to claim 1, wherein said means for determining is
operative to give the notification of the direction ~~is given a~~
predetermined number of times during a predetermined period of
time.

3. (Currently Amended) A travel direction device according to claim 2, wherein said means for determining is operative to give the notification of the direction ~~is given in based upon a predetermined probability relating to performance of the traveling direction~~ every time the car drives the traveling route.

4. (Previously Presented) A travel direction device according to claim 3, wherein there are a plurality of different types of notification of the direction, and the notification of direction is given by selecting at least one of the plurality of types thereof.

5. (Currently Amended) A travel direction device according to claim 3, wherein when the car enters a predetermined area including the traveling route a plurality of times, said means for determining is operative to give the notification of direction ~~is given~~ less frequently than the number of times the car enters the predetermined area.

6. (Currently Amended) A travel direction device according to claim 4, wherein when the car enters a predetermined area including the traveling route a plurality of times, said means for determining is operative to give the notification of direction ~~is given~~ less frequently than the number of times the car enters the predetermined area.

7. (Currently Amended) A travel direction device according to claim 5, wherein when the predetermined area comprises a divided plurality of areas, and the plurality of the areas are considered to be in the same group, said means for determining is operative to give the notification of ~~and are identified to indicate the direction only once for each~~ group.

8. (Original) A travel direction device according to claim 7, wherein the predetermined area is a school zone centered about a school.

9-15. (Cancelled)

16. (Previously Presented) A travel direction device comprising a controlling means for setting a predetermined area centered about a school as a school zone and giving warnings about cautions of travel when a car drives roads in the set school zone based on school days information and school time information; and

an output means for outputting the warnings from the controlling means,

wherein said controlling means sends a deceleration command signal to a control device of the car when the car drives through the school zone so as to reduce the speed.

17. (Previously Presented) A travel direction warning device comprising: a continuous driving detection means for detecting a continuous driving condition of a car by comparing the driving condition of the car with a pre-set reference value of the driving condition, and a voice output means for outputting a voice warning when the continuous driving is detected by the continuous driving detection means, wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel.

18. (Currently Amended) A travel direction warning device according to claim 17, wherein the continuous driving detection means detects ~~long time~~ driving which continues for more than a predetermined period of time.

19. (Currently Amended) A travel direction warning device according to claim 18, wherein the continuous driving detection means detects ~~long distance~~ driving which continues for more than a predetermined distance.

20. (Previously presented) A travel direction warning device according to claim 17, wherein detection by the continuous driving detection means is reset if discontinued for more than a predetermined period of time.

21. (Previously presented) A travel direction warning device according to claim 17, wherein the travel warning direction device comprises a driver change detection means for detecting a change of a driver, and detection of the continuous driving detection means is reset when the driver change detection means detects the driver change.

22. (Previously presented) A travel direction warning device according to claim 17, wherein the reference value changes depending on road types.

23. (Previously presented) A travel direction warning device according to claim 22, wherein the reference value changed depending on time zone.

24. (Previously presented) A travel direction warning device comprising a monotony driving detection means for detecting whether or not a car drives within a preset reference speed range for a predetermined period of time when driving on local roads, and a voice output means for outputting a voice warning when the monotony driving detection means detects that the car drives within the reference speed range for the predetermined period of time.

25. (Previously presented) A travel direction warning device according to claim 24, wherein when detecting

the monotony driving, a new reference speed is set when the car drives in a speed out of the reference speed range.

26. (Currently Amended) A travel direction warning device according to claim 25, wherein the monotony driving detection means sets reference speed candidates ~~on a high speed side and low speed side of above and below~~ a pre-set reference speed ~~respectively~~, sets the reference speed range between one of the reference speed candidate ~~candidates~~ faster than the set reference speed and one of the reference speed candidate ~~candidates~~ slower than the set reference speed, stores the last time of the set reference speed, sets the reference speed candidate out of the reference speed range as a new reference speed when the vehicle speed is out of the reference speed range, and calculates the traveling time of the new reference speed range from the latest time when the set reference speed stored immediately before.

27. (Previously presented) A travel direction warning device according to claim 26, wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel.

28. (Previously presented) A travel direction warning device, comprising:

a comparator means for comparing continuous driving time or continuous traveling distance of a car with a pre-set reference value of the driving time or traveling distance, and

a voice output means for outputting a voice warning when the driving time or continuous traveling distance of the car detected by the comparator means is over the pre-set reference value,

wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel.

29. (Currently Amended) A travel ~~direction~~-warning device, comprising:

an unsafe driving detection means for detecting an unsafe driving condition by comparing the driving conditions of the car with a pre-set reference value for the unsafe driving condition, and

a voice output means for outputting a voice warning when the unsafe driving condition is detected by the unsafe driving detection means,

wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel, and wherein the voice warning output by the voice output means is

output a variable number of times as determined by driving conditions.

30. (Currently Amended) A travel ~~direction~~-warning device according to claim 29, wherein the unsafe driving detection means detects sudden start and sudden stop of the car.

31. (Currently Amended) A travel ~~direction~~-warning device according to claim 29, wherein the unsafe driving detection means detects abrupt steering by a given amount of rotation of the vehicle.

32. (Currently Amended) A travel ~~direction~~-warning device according to claim 29, wherein the unsafe driving detection means detects abrupt steering by rotation of steering wheel.

33. (Currently Amended) A travel ~~direction~~-warning device according to claim 31, wherein the unsafe driving detection means detects abrupt steering by using an angular velocity sensor.

34. (Canceled)

35. (Currently Amended) A travel ~~direction~~-warning device according to claim 29, wherein the warning direction by

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the voice output means is given irregularly with respect to a
number of times the warning is generated.

36-41. (Cancelled)